

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/587,193
Source: TEWP
Date Processed by STIC: 08/09/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/587,193

DATE: 08/09/2006
TIME: 09:40:34

Input Set : N:\SSLM\10587193.txt
Output Set: N:\CRF4\08092006\J587193.raw

3 <110> APPLICANT: Japan Science and Technology Agency
5 <120> TITLE OF INVENTION: Genetic markers that link to genes associated with Fusarium
head blight
6 resistance, and use thereof
8 <130> FILE REFERENCE: A181-09PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/587,193
C--> 10 <141> CURRENT FILING DATE: 2006-07-24
10 <150> PRIOR APPLICATION NUMBER: JP 2004-014839
11 <151> PRIOR FILING DATE: 2004-01-22
13 <150> PRIOR APPLICATION NUMBER: JP 2004-270268
14 <151> PRIOR FILING DATE: 2004-09-16
16 <160> NUMBER OF SEQ ID NOS: 56
18 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Diskette Needed

(pg-1,2)

ERRORED SEQUENCES

135 <210> SEQ ID NO: 10
136 <211> LENGTH: 335
137 <212> TYPE: DNA
138 <213> ORGANISM: Hordeum vulgare
140 <400> SEQUENCE: 10
141 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct 60
142 gttgtcaccc taccatggat tgggtctcc atcaaaaagtt atttgtgaga gtttcatctc 120
143 tgcagatctg gtgggtgact ttgggtggcat gatcataact atggacggag tcttgatccg 180
E--> 144 gagggatggt tggcgccaa cgaagggtcac attgcataatgta attgtt~~atgta~~ tcacggaaaga 240
145 gtatggcga aaacacatga gtgacttcaa tgggtgttt acttcagttatccgatataaa 300
E--> 146 gcttc~~atggc~~ aaaaggctac gtcccacccaa agttg 335
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150 <211> LENGTH: 335
151 <212> TYPE: DNA
152 <213> ORGANISM: Hordeum vulgare
154 <400> SEQUENCE: 11
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156 gttgtcaccc taccatggat tgggtctcc atcaaaaagtt atttgtgaga gtttcatctc 120
157 tgcagatctg gtgggtgact ttgggtggcat gatcataact atggacggag tcttgatccg 180
E--> 158 gagggatggt tggcgccaa cgaagggtcac attgcataatgta attgtt~~atgta~~ tcacggaaaga 240
159 gtatggcga aaacacatga gtgacttcaa tgggtgttt acttcagttatccgatataaa 300
E--> 160 gcttc~~atggc~~ aaaaggctac gtcccacccaa agttg 335
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 254
165 <212> TYPE: DNA
166 <213> ORGANISM: Hordeum vulgare
168 <400> SEQUENCE: 12

→ Pls explain
-n' locations
See pg-3 for
error explanation
Same

RAW SEQUENCE LISTING
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Input Set : N:\SSLM\10587193.txt
Output Set: N:\CRF4\08092006\J587193.raw

```

169 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct 60
170 gttgtcacct caccatggat tgggtctcc atcaaaaagtt atttgtgaga gtttcatctc 120
171 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180
E--> 172 gagggatggt tggcgccaa cgaaggcac attgcatgta attgtttttngta tcacggaaga 240
173 gtgatggcga aaac 254
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 254
178 <212> TYPE: DNA
179 <213> ORGANISM: Hordeum vulgare
181 <400> SEQUENCE: 13
182 ccgtgtgtcg tctaggtcaa ccatgacaac aactacgtgt ggtcgtgact ttggcctgct 60
183 gttgtcacct caccatggat tgggtctcc atcaaaaagtt atttgtgaga gtttcatctc 120
184 tgcagatctg gtggttgact ttggtggcat gatcataact atggacggag tcttgatccg 180
E--> 185 gagggatggt tggcgccaa cgaaggcac attgcatgta attgtttttngta tcacggaaga 240
186 gtgatggcga aaac 254

```

Some Errors

Some Errors

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/587,193

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Use of n's or Xaa's (NEW RULES) :

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Error explanation

Seq#:10; N Pos. 228,307
Seq#:11; N Pos. 228,307
Seq#:12; N Pos. 228
Seq#:13; N Pos. 228
Seq#:48; N Pos. 7,17,29,47,98
Seq#:49; N Pos. 35,37
Seq#:50; N Pos. 19
Seq#:56; N Pos. 41

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/587,193

DATE: 08/09/2006
TIME: 09:40:35

Input Set : N:\SSLM\10587193.txt
Output Set: N:\CRF4\08092006\J587193.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:144 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10
M:340 Repeated in SeqNo=10
L:158 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11
M:340 Repeated in SeqNo=11
L:172 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
L:185 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13
L:637 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:641 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:645 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:649 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:653 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48
L:657 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:48
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
M:341 Repeated in SeqNo=48
L:670 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:49
L:678 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:49
L:678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:691 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:50
L:695 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:50
L:695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:761 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:56
L:765 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:56
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0